



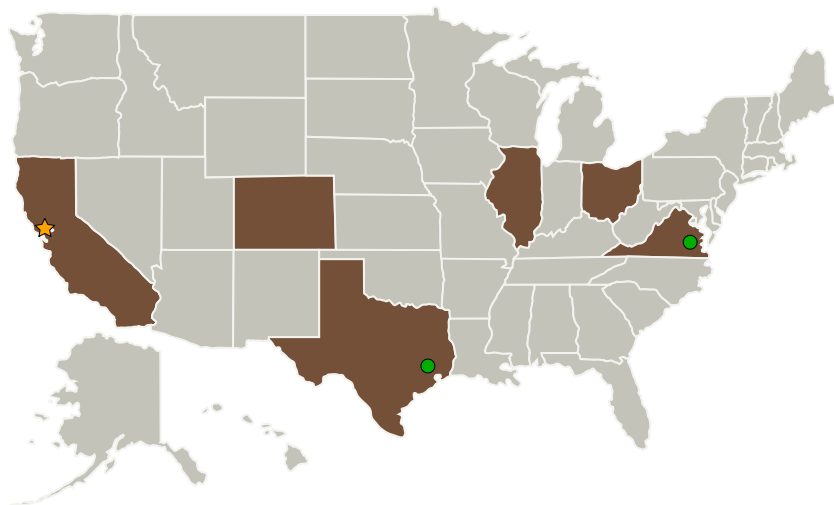
Project Introduction

Improved entry guidance methods to improve position accuracy at descent initiation.

Anticipated Benefits

Mars Sample Return Lander Human Mars exploration, planetary aerocapture

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Ames Research Center(ARC)	Lead Organization	NASA Center	Moffett Field, California
● Johnson Space Center(JSC)	Supporting Organization	NASA Center	Houston, Texas
● Langley Research Center(LaRC)	Supporting Organization	NASA Center	Hampton, Virginia



Guidance Navigation and Control

Table of Contents

Project Introduction	1
Anticipated Benefits	1
Primary U.S. Work Locations and Key Partners	1
Organizational Responsibility	1
Project Transitions	2
Project Website:	2
Project Management	2
Technology Maturity (TRL)	2
Target Destinations	2

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Ames Research Center (ARC)

Responsible Program:

Game Changing Development

Guidance Navigation and Control (GN&C)

Completed Technology Project (2017 - 2019)



Co-Funding Partners	Type	Location
Early Career Faculty(ECF)	NASA Other	
Early Career Initiative(ECI)	NASA Program	
Planetary Science	NASA Program	
Space Technology Research Fellowships(NSTRF)	NASA Program	
Space Technology Research Grants(STRG)	NASA Program	

Primary U.S. Work Locations	
California	Colorado
Illinois	Ohio
Texas	Virginia

Project Transitions

 **October 2017:** Project Start

 **September 2019:** Closed out

Project Website:

<https://www.nasa.gov/directorates/spacetech/home/index.html>

Project Management

Program Director:

Mary J Werkheiser

Program Manager:

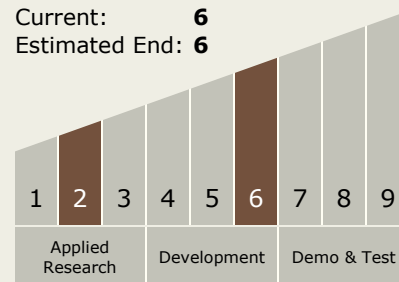
Gary F Meyering

Principal Investigator:

Michael J Wright

Technology Maturity (TRL)

Start: **2**
Current: **6**
Estimated End: **6**



Target Destinations

The Moon, Mars, Others Inside the Solar System